

**Notice of Allowability**

Application No.

09/987,968

Examiner

Johnnie L. Smith II

Applicant(s)

NELSON, GLENN

Art Unit

2881

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed 10/02/2003.
2. ☒ The allowed claim(s) is/are 1-33.
3. ☐ The drawings filed on \_\_\_\_\_ are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some\* c) ☐ None of the:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- \* Certified copies not received: \_\_\_\_\_.
5. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  
(a) ☐ The translation of the foreign language provisional application has been received.
6. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Applicant has THREE MONTHS FROM THE 'MAILING DATE' of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

7. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
8. ☐ CORRECTED DRAWINGS must be submitted.  
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-946) attached  
1) ☐ hereto or 2) ☐ to Paper No. \_\_\_\_\_.  
(b) ☐ including changes required by the proposed drawing correction filed \_\_\_\_\_, which has been approved by the Examiner.  
(c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet.

9. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- 1 ☐ Notice of References Cited (PTO-892)  
3 ☐ Notice of Draftsperson's Patent Drawing Review (PTO-946)  
5 ☒ Information Disclosure Statements (PTO-1449), Paper No. 1008.  
7 ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
- 2 ☐ Notice of Informal Patent Application (PTO-152)  
4 ☐ Interview Summary (PTO-413), Paper No. \_\_\_\_\_.  
6 ☐ Examiner's Amendment/Comment  
8 ☒ Examiner's Statement of Reasons for Allowance  
9 ☐ Other

## DETAILED ACTION

### *Allowable Subject Matter*

1. Claims 1-33 are allowed.
2. The following is an examiner's statement of reasons for allowance:  
the prior art searched and cited failed to teach or fairly suggest an irradiation system having an inner shield, a first conveyor system, and an outer shield for attenuating radiation generated by the radiation source disposed around the inner shield and around at least a part of the first conveyor system in combination with the rest of claim 1. Claims 2-17 are allowable because of their dependencies upon claim 1. The prior art searched and cited also failed to teach or fairly suggest an irradiation system arranged in an upper level and a lower level, an upper level shield disposed around the radiation source for attenuating radiation generated by the radiation source, wherein the upper level shield is constructed of adjacent removable modules that are bolted together in combination with the rest of claim 18. Claims 19- 23 are allowable because of their dependencies upon claim 18.
3. The prior art searched and cited further failed to teach or fairly suggest a method of removing a radiation source from an irradiation system comprising a radiation source arranged to emit a radiation beam along a

beam path having steps for disconnecting a removable module of the outer shield from the outer shield, disconnecting a removable module of the inner shield from the inner shield; and removing the radiation source from the irradiation system through openings left by the removable modules in combination with the rest of claim 24. Claims 25-29 are allowable because of their dependencies upon claim 24. The prior art searched and cited failed to teach or fairly suggest a shield for a radiation system comprising: adjacent hollow modules positioned in a path of radiation; removable plates connecting the adjacent hollow modules; ballast material filling the hollow modules as disclosed in claim 30. Claims 31-33 are allowable because of their dependencies upon claim 30.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Johnnie L Smith II


whose telephone number is 703-305-0380. The examiner can normally be reached on Monday-Thursday 7-4 P.M. and Alternate Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John R Lee can be reached on 703-308-4116. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0956.

  
JLSII

Johnnie L. Smith II  
Examiner  
Art Unit 2881

  
JOHN R. LEE  
SUPERVISOR  
ART UNIT 2881  
OCTOBER 2000